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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/731,674	12/08/2003	Daniel J. Lenehan	COOL-01901	4281
28960 7590 10/06/2006			EXAMINER	
HAVERSTOCK & OWENS LLP			CIRIC, LJILJANA (LIL) V	
162 NORTH WOLFE ROAD SUNNYVALE, CA 94086			ART UNIT	PAPER NUMBER
BOTTI VILLE	0.1. 7.000	•	3744	
			DATE MAILED: 10/06/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		\mathscr{V}				
	Application No.	Applicant(s)				
	10/731,674	LENEHAN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Ljiljana (Lil) V. Ciric	3753				
The MAILING DATE of this communication app Period for Reply	ears on the cover slideet with t	he correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICA- 36(a). In no event, however, may a reply rill apply and will expire SIX (6) MONTHS cause the application to become ABAND	FION. be timely filed from the mailing date of this communication. DONED (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on 14 Ju	<u>ıly 2006</u> .					
•						
3) Since this application is in condition for allowant closed in accordance with the practice under E	•	•				
Disposition of Claims						
4) ⊠ Claim(s) 37-72 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) 37-72 are subject to restriction and/or	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.						
Applicant may not request that any objection to the	= ' '					
Replacement drawing sheet(s) including the correcting 11) The oath or declaration is objected to by the Ex						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of the certified copies of the prior application from the International Bureau 	s have been received. s have been received in Appl rity documents have been red i (PCT Rule 17.2(a)).	ication No ceived in this National Stage				
Attachment(s)		(570.440)				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 	4) ∐ Interview Sum Paper No(s)/M	mary (PTO-413) ail Date				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date		mal Patent Application				

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Election/Restrictions

1. Applicant's election without traverse of Group II, drawn to method claims 37 through 72, in the reply filed on July 14, 2006 is acknowledged.

2. This application contains claims directed to the following patentably distinct species: the first species or the embodiment wherein at least a portion of the heat exchanger thermally coupled to the device is filled with a thermal capacitance medium and either one of the pump and the fan or both of the pump and the fan are controlled such that the temperature value of the device is maintained below a maximum allowable temperature as described in lines 19 – 24 on page 2 of the specification; the second species or the alternative embodiment wherein only one of the fan and the pump is maintained at a constant maximum speed and the other of the fan and the pump is controlled such that the temperature value of the device is maintained below a maximum allowable temperature such that acoustic transients are reduced as described in lines 24-27 on page 2 of the specification; the third species or the alternative embodiment wherein the pumps are controlled independently of the fans as described in line 27 on page 2 of the specification and in line 1 on page 3 of the specification; the fourth species or the alternative embodiment wherein the pumps are controlled cooperatively with the fans in a manner that optimizes one or more of several performance metrics as described in lines 1-2 on page 3 of the specification; and, the fifth species or the alternative embodiment wherein the controller includes a control algorithm based on a thermal time constant as described in lines 21-27 on page 3 of the specification and in lines 1-4 on page 4 of the specification. The species are independent or distinct because they are drawn to claims which do not overlap in scope and because the respective embodiments are described as being alternative embodiments as noted above.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable.

Currently, 37 is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

3. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

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4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the

inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named

inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of

inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37

CFR 1.17(i).

5. Any inquiry concerning this communication or earlier communications from the examiner should

be directed to Ljiljana (Lil) V. Ciric whose telephone number is 571-272-4909. The examiner works a

flexible schedule, but can normally be reached on Mondays through Fridays from 10:30 a.m. to 6:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eric

Keasel, can be reached at 571-272-4929.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained

from either Private PAIR or Public PAIR. Status information for unpublished applications is available

through Private PAIR only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Ljiljana (Lil) V. Ciric Primary Examiner

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